



SEQUENCE LISTING

<110> Bayer HealthCare AG
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Hosse, Ralf
Krucken, Jurgen
Wunderlich, Frank

<120> Use of Novel Eimeria Gene and Corresponding Protein

<130> LeA 36 695

<140> US 10/562,324
<141> 2005-12-23

<150> PCT/EP2004/007080
<151> 2004-06-30

<150> DE10330235.2
<151> 2003-07-04

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<170> PatentIn version 3.3

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1 5
ttc aca gcc tgc gca gcc gtt gct gca gac gga gca cct gag tat
Phe Thr Ala Cys Ala Ala Val Ala Ala Asp Gly Ala Pro Glu Tyr
15 20 25
tct cag ctt gca gtt gaa atc gat cca gaa gcg att att gcg atc
Ser Gln Leu Ala Val Glu Ile Asp Pro Glu Ala Ile Ile Ala Ile
30 35 40
caa gat gca aac gcc gac cca cgt ctc ttt ttc cca ctg agc ggg
Gln Asp Ala Asn Ala Asp Pro Arg Leu Phe Phe Pro Leu Ser Gly
45 50 55
gtc tcc gcc aaa ctt gcc aaa gtc ttt caa ccc aac ata tac cca
Val Ser Ala Lys Leu Ala Lys Val Phe Gln Pro Asn Ile Tyr Pro
60 65 70
cct cct agt ccc cag aca act tac cac ttt cac ctc cat cct cat
Pro Pro Ser Pro Gln Thr Thr Tyr His Phe His Leu His Pro His
75 80 85
cat tat ccg cat cct cag cca agt tat cct cat cct caa ccc cat
His Tyr Pro His Pro Gln Pro Ser Tyr Pro His Pro Gln Pro His
95 100 105
cct cat cct cat cct tat cat cct cat cct cat ccc cat cat cct
Pro His Pro His Pro Tyr His Pro His Pro His Pro His His Pro
110 115 120

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| Pro His Pro His Gln His Pro His Arg His Pro Asp His His Pro His | |
| 125 130 135 | |
| cat cat cct cac cat cat cat gaa cat aat gtt cat gtg cct caa | 544 |
| His His Pro His His His His Glu His Asn Val His Val Pro Gln | |
| 140 145 150 | |
| cat cag cac gct caa cac aac ggc cac cag aac aac ggt ggc cca gct | 592 |
| His Gln His Ala Gln His Asn Gly His Gln Asn Asn Gly Gly Pro Ala | |
| 155 160 165 170 | |
| cat tat cac cat gac tac cat ttt gcg cat cct cat caa gag aac cag | 640 |
| His Tyr His His Asp Tyr His Phe Ala His Pro His Gln Glu Asn Gln | |
| 175 180 185 | |
| cat cac cgc gag gaa gag cag ctt acc gac atc aac taa gctattggtc | 689 |
| His His Arg Glu Glu Glu Gln Leu Thr Asp Ile Asn | |
| 190 195 | |
| gggaatataag gtgcttagtc tcagtagtca gtacagtact aggctacgtc tgagatcttc | 749 |
| atggcaaaga ggtaccagcc accaagctga ctcggctatg ttttattaga caaatttaaa | 809 |
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| agggacaggc ttcccgccaa aatttttggc tcataccat caatgcttcg agaaaacata | 989 |
| aaaaacaaaaa gcactgaaga acgttcatag tcggtagtt taggggcatg ccgttgctca | 1049 |
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 35 40 45

Pro Arg Leu Phe Phe Pro Leu Ser Gly Leu Val Ser Ala Lys Leu Ala
 50 55 60

Lys Val Phe Gln Pro Asn Ile Tyr Pro Thr Pro Pro Ser Pro Gln Thr
 65 70 75 80

Thr Tyr His Phe His Leu His Pro His Pro His Tyr Pro His Pro Gln
 85 90 95

Pro Ser Tyr Pro His Pro Gln Pro His His Pro His Pro His Pro Tyr
100 105 110

His Pro His Pro His Pro His His Pro His Pro His Gln His
115 120 125

Pro His Arg His Pro Asp His His Pro His His His Pro His His His
130 135 140

His His Glu His Asn Val His Val Pro Gln His Gln His Ala Gln His
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Asn Gly His Gln Asn Asn Gly Gly Pro Ala His Tyr His His Asp Tyr
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aacggccacc agaacaacgg tggcccgact cattatcacc atgactacca ttttgcgcatt 540
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